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**Dimniki - Računske metode termodinamike in dinamike fluidov - 2. del: Dimniki za več kot eno ogrevalno napravo**

Chimneys - Thermal and fluid dynamic calculation methods - Part 2: Chimneys serving more than one heating appliance

Abgasanlagen - Wärme- und strömungstechnische Berechnungsverfahren - Teil 2: Abgasanlagen mit mehreren Feuerstätten

Conduits de fumée - Méthodes de calcul thermo-aéraulique - Partie 2: Conduits de fumée desservant plus d'un appareil de chauffage

**Ta slovenski standard je istoveten z: EN 13384-2:2015/prA1**

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**ICS:**

|           |                        |                         |
|-----------|------------------------|-------------------------|
| 91.060.40 | Dimniki, jaški, kanali | Chimneys, shafts, ducts |
|-----------|------------------------|-------------------------|

**SIST EN 13384-2:2015/oprA1:2018**      **en,fr,de**

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EUROPEAN STANDARD  
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**DRAFT**  
**EN 13384-2:2015**  
**prA1**

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English Version

## Chimneys - Thermal and fluid dynamic calculation methods - Part 2: Chimneys serving more than one heating appliance

Abgasanlagen - Wärme- und strömungstechnische  
Berechnungsverfahren - Teil 2: Abgasanlagen mit  
mehreren Feuerstätten

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 166.

This draft amendment A1, if approved, will modify the European Standard EN 13384-2:2015. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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## European foreword

This document (EN 13384-2:2015/prA1:2018) has been prepared by Technical Committee CEN/TC 166 “Chimneys”, the secretariat of which is held by ASI.

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## EN 13384-2:2015/prA1:2018 (E)

**1 Modification to Clauses 1, 3, 4, 5, 6, 9, 10, 12, 14, 15, 16, Annex A and Annex B**

Replace

“heating appliance”

by

“combustion appliance”.

**2 Modification to Clause 5.1**

Add a hyphen to the beginning of the following sentence so that it is part of the preceding list:

— For positive pressure chimneys a single heating appliance operating at minimum nominal heat output and all other appliances operating at maximum nominal heat output (all possible cases).

**3 Modification to Clause 15**

Replace

“supply air”

by

“combustion air”.

**4 Modification to Clause 15.2**

Add a note at the end of Clause 15.2

Note If the maximum differential pressure of the combustion appliance includes the pressure resistance of the connecting flue pipe and connecting air supply duct (e.g. gas appliances of type C<sub>4</sub> and C<sub>(10)</sub>) the values of  $P_{V,j}$ ,  $P_{RBV,j}$  and  $P_{HBV,j}$  can be taken as 0 Pa.

**5 Modification to Annex B**

Addition of a new table in Annex B

**Table B.3 - Specification for gas-fired heating boilers Type C<sub>(10)</sub> to be used as input for the flue calculation**

| Characteristic                                                                                                                                                                                                                                                                                                                                                                       | At minimum load ( $Q_{\min}$ )  | At nominal load ( $Q_N$ )                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------|
| $\dot{m}_j$ in g/s                                                                                                                                                                                                                                                                                                                                                                   | see 5.5.2.2 of EN 13384-1: 2015 | see 5.5.2.1 of EN 13384-1: 2015                                          |
| $T_{ov,j}$ in °C                                                                                                                                                                                                                                                                                                                                                                     | 25                              | 25                                                                       |
| $P_{W0,j}$ in Pa                                                                                                                                                                                                                                                                                                                                                                     | 25                              | $25 \cdot \left( \frac{2}{1 + \frac{Q_{\min,j}}{Q_{N,j}}} \right)^{2,2}$ |
| $Q_{N,j}$ is the nominal heat output of the appliance j in kW<br>$Q_{\min,j}$ is the minimum heat output of the appliance j in kW<br>$\dot{m}_j$ is the flue gas mass flow of the appliance j in g/s<br>$T_{ov,j}$ is the temperature of the flue gas at the end of connecting flue pipe j in °C<br>$P_{W0,j}$ is the maximum differential pressure of the heating appliance j in Pa |                                 |                                                                          |